

- position inside the cylindrical barrel (5) of the sleeve (4) of the microinjector (1);
- rotating the driving means to advance the syringe plunger (12) in a downward axial direction through the syringe barrel (7) thereby aspirating and depositing a portion of the contents of the syringe barrel (7) through the side port holes (15A),(15B) of the cannula (2);
 - rotating the guide nut (8) to effectively withdraw the syringe (3) and cannula (2) in an upward axial direction at a predetermined distance away from a previous neural target site; and
 - repeating steps involving rotating the driving means to deliver a portion of the contents of the syringe barrel (7) and rotating the guide nut (8) to reposition the cannula (2), thereby resulting in sequential delivery of multiple portions of the contents of the syringe barrel (7) in a three-dimensional spiral array per single trajectory at a predetermined neural target site.

37. (Previously Presented) The method according to Claim 36, characterized in that the driving means comprises a plunger driver (11) and a drive nut (10).

REMARKS

Currently claims 1-37 are pending. Claims 2-7, 15-18, 21-33 and 35-37 are indicated as being allowed. Claims 10, 19-20 and 34 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claim. Applicant thanks Examiner Williams for her courtesy in the indication of allowable subject matter.

Claim 1 has been amended to add the term "longitudinally" to provide the claim detail suggested by the Examiner in the "Response to Arguments" section of page 6 of the Final

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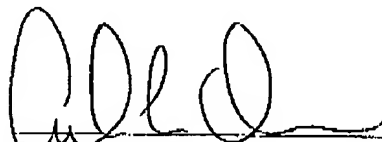
Action. Thus, Examiner will not require further search or consideration.

CONCLUSION

Based on the preceding arguments, Applicants respectfully believe that all pending claims and the entire application meet the acceptance criteria for allowance and therefore request favorable action. If the Examiner believes that anything further would be helpful to place the application in better condition for allowance, Applicants invites the Examiner to contact Applicants' representative at the telephone number listed below.

No additional fee is required for this amendment. However, the Commissioner is hereby authorized to charge payment of any fees due with this communication or credit any overpayment to Deposit Account No. 19-0513.

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